

# 17345

**11920**

**3 Hours / 100 Marks**

Seat No.

--	--	--	--	--	--	--	--

- Instructions* – (1) All Questions are *Compulsory*.
- (2) Answer each next main Question on a new page.
- (3) Illustrate your answers with neat sketches wherever necessary.
- (4) Figures to the right indicate full marks.
- (5) Assume suitable data, if necessary.
- (6) Mobile Phone, Pager and any other Electronic Communication devices are not permissible in Examination Hall.

**Marks**

- 1. Attempt any FIVE of the following:** **20**
- a) Mention the functions and utility of expanding comb on warping machine.
- b) Describe ‘Doffing and Donning of beams’.
- c) Enumerate heald selection mechanism of a paper cam dobbie.
- d) Explain the settings of climax dobbie.
- e) Enumerate various drop box mechanisms and their advantages and limitations.
- f) State the types of Jacquard mountings and elaborate their functions.
- g) What is the meaning of ‘Card lacing’ and ‘Casting out’ in Jacquard designing. Explain with an example.

P.T.O.

- 2. Attempt any TWO of the following:** **16**
- a) Draw passage of warp through sectional warping machine and label parts.
  - b) (i) State importance of braking system and stop motion on beam warping machine.  
(ii) During start of winding of each section on sectional warping machine leasing operation is done. Why? What is its significance?
  - c) Compare direct drive and indirect drive to the Beam.
- 3. Attempt any TWO of the following:** **16**
- a) Sketch and describe the different types of sheds formed at dobbie.
  - b) Sketch and label climax dobbie and explain its working.
  - c) Compare climax dobbie and two cylinder cross-border dobbie.
- 4. Attempt any TWO of the following:** **16**
- a) Give features and advantages of Rotary dobbie.
  - b) Describe working of cow-burn and peck drop-box motion with help of a neat diagram.
  - c) Prepare a card chain for 48 picks. Use 4 colours assuming your own weft pattern.

**5. Attempt any TWO of the following:****16**

- a) Draw diagrams of various cards used on  $4 \times 4$  drop box loom.
- b) Describe with sketch all types of harness ties.
- c) Give the functions of any eight parts of jacquard shedding mechanism.

**6. Attempt any TWO of the following:****16**

- a) Sketch and label double lift double cylinder jacquard and explain its working.
  - b) Describe a method of transferring a jacquard design from an artists sketch to point - paper.
  - c) Mention any eight features of electronic jacquard shedding mechanism.
-